REMARKS

This Amendment is submitted solely to comply with the requirements of 37 C.F.R. 1.821-1.825. No new matter is added.

CONCLUSION

If any minor matters remain to be discussed prior to examination, the Examiner is invited to contact the undersigned at the telephone number listed below.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

By _____
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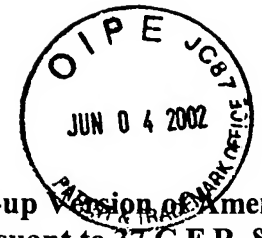

Marked-up Version of Amended Specification
Pursuant to 37 C.F.R. §§ 1.121(b)-(c)

In the specification:

Please insert the attached Sequence Listing as pages 44-55 of the specification. No marked-up version is enclosed as the original specification did not contain a Sequence Listing.

Please renumber the abstract as page 56.

NUCLEIC ACIDS FOR DETECTING *ASPERGILLUS* AND OTHER FILAMENTOUS FUNGI

Abstract

Nucleic acids for detecting *Aspergillus* species and other filamentous fungi are provided. Unique internal transcribed space 2 coding regions permit the development of nucleic acid probes specific for five different species of *Aspergillus*, three species of *Fusarium*, four species of *Mucor*, two species of *Penecillium*, five species of *Rhizopus*, one species of *Rhizomucor*, as well as probes for *Absidia corymbifer*, *Cunninghamella elagans*, *Pseudallescheria boydii*, and *Sporothrix schenkii*. Methods are disclosed for the species-specific detection and diagnosis of infection by *Aspergillus*, *Fusarium*, *Mucor*, *Penecillium*, *Rhizomucor*, *absidia*, *Cunninghaemella*, *Pseudallescheria* or *Sporthrix* in a subject. Furthermore, genus-specific probes are also provided for *Aspergillus*, *Fusarium* and *Mucor*, in addition to an all-fungus nucleic acid probe.